
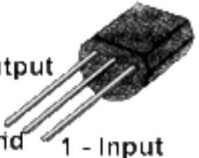


► Source: http://wb5rvz.com/sdr/sr_lite_ii/01_ps.htm

Power Supply Bill of Materials







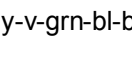

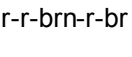
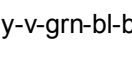
Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C01	4.7 uF 10%	475	Ceramic			Power Supply
<input type="checkbox"/>	C02	4.7 uF 10%	475	Ceramic			Power Supply
<input type="checkbox"/>	C13	0.1 uF	black stripe 	SMT 1206	SMT		Power Supply
<input type="checkbox"/>	D1	1N4003	1N4003	Axial	E-W		Power Supply
<input type="checkbox"/>	gnd	shunt wire (cut-off lead)		misc			Power Supply
<input type="checkbox"/>	U1	LM78L05 voltage regulator	LM78L05 3 - Output 2 - Grid 1 - Input 	TO-92			Power Supply

► Source: http://wb5rvz.com/sdr/sr_lite_ii/02_lo.htm

Local Oscillator Bill of Materials

Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C10	band-specific		misc			Local Oscillator
<input type="checkbox"/>	C11	band-specific		misc		Not used at all for 40m & 15m versions	Local Oscillator
<input type="checkbox"/>	C12	22 pF 5%	22J	Ceramic			Local Oscillator
<input type="checkbox"/>	C20	0.01 uF	 2N3904	SMT 1206			Local Oscillator
<input type="checkbox"/>	Q1	2N3904 NPN Transistor	 C B E TO-92 2N3906	TO-92			Local Oscillator
<input type="checkbox"/>	Q2	2N3906 PNP transistor	 C B E TO-92	TO-92			Local Oscillator
<input type="checkbox"/>	R11	10 ohm 1/4W 1%	br-blk-blk-gld-br 	1/4W	W-E		Local Oscillator
<input type="checkbox"/>	R12	10 k 1/4W 1%	br-blk-blk-r-br 	1/4W	E-W		Local Oscillator
<input type="checkbox"/>	R13	10 k 1/4W 1%	br-blk-blk-r-br 	1/4W	E-W		Local Oscillator
<input type="checkbox"/>	R14	475 1/4W 1%	y-v-grn-bl-br 	1/4W	E-W		Local Oscillator
<input type="checkbox"/>	R15	1 k 1/4W 1%	br-blk-blk-br-br 	1/4W	N-S		Local Oscillator
<input type="checkbox"/>	R16	22.1k 1/4W 1%	r-r-brn-r-br 	1/4W	N-S		Local Oscillator
<input type="checkbox"/>	R17	475 1/4W 1%	y-v-grn-bl-br 	1/4W	E-W		Local Oscillator
<input type="checkbox"/>	X1	band-specific		misc			Local Oscillato

Band Specific Items for 20m Band









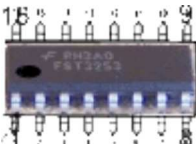
Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C10	180 pF 5%	181	Ceramic			Local Oscillator

<input type="checkbox"/>	C11	100 pF 5%	101	Ceramic	Not used at all for 40m & 15m versions	Local Oscillator
<input type="checkbox"/>	X1	18.73 MHz	18.730 1108	Xtal		Local Oscillator

► Source: http://wb5rvz.com/sdr/sr_lite_ii/03_div.htm

Divider Bill of Materials



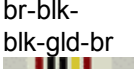
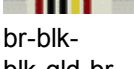
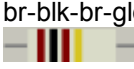
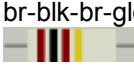
Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C14	0.01 uF		SMT 1206			Divider
<input type="checkbox"/>	C15	0.01 uF		SMT 1206			Divider
<input type="checkbox"/>	C16	0.1 uF	black stripe 	SMT 1206			Divider
<input type="checkbox"/>	C17	0.1 uF	black stripe 	SMT 1206			Divider
<input type="checkbox"/>	C18	0.1 uF	black stripe 	SMT 1206			Divider
<input type="checkbox"/>	C19	0.1 uF	black stripe 	SMT 1206			Divider
<input type="checkbox"/>	C21	0.01 uF		SMT 1206			Divider
<input type="checkbox"/>	hdw1	#4-40 board mounting hdw		HDW			Divider
<input type="checkbox"/>	hdw2	#4-40 board mounting hdw		HDW			Divider
<input type="checkbox"/>	U2	74AC74 Dual D FF	74AC74 	SOIC-14			Divider
<input type="checkbox"/>	U3	FST3253 mux/demux switch	FST3253 	SOIC-16			Divider

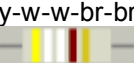
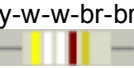

► Source: http://wb5rvz.com/sdr/sr_lite_ii/04_opamp.htm

Operational Amplifiers Bill of Materials

Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C07	4.7 uF 10%	475	Ceramic			Operational Amplifiers
<input type="checkbox"/>	C08	band-specific		misc			Operational Amplifiers
<input type="checkbox"/>	C09	band-specific		misc			Operational Amplifiers
<input type="checkbox"/>	R03	1 k 1/4W 1%	br-blk-blk-br-br 	1/4W	W-E		Operational Amplifiers
<input type="checkbox"/>	R04	1 k 1/4W 1%	br-blk-blk-br-br 	1/4W	W-E		Operational Amplifiers
<input type="checkbox"/>	R05	10 ohm 1/4W 1%	br-blk-blk-gld-br 	1/4W	E-W		Operational Amplifiers
<input type="checkbox"/>	R06	10 ohm 1/4W 1%	br-blk-blk-gld-br 	1/4W	E-W		Operational Amplifiers
<input type="checkbox"/>	R07	band-specific		misc	S-N		Operational Amplifiers
<input type="checkbox"/>	R08	band-specific		misc	E-W		Operational Amplifiers
<input type="checkbox"/>	R09	100 1/6W 5%	br-blk-br-gld 	1/6W	E-W		Operational Amplifiers
<input type="checkbox"/>	R10	100 1/6W 5%	br-blk-br-gld 	1/6W	E-W		Operational Amplifiers
<input type="checkbox"/>	U4	band-specific		misc			Operational

Band Specific Items for 20m Band

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C08	220 pF 5%	221	Ceramic			Operational Amplifiers
<input type="checkbox"/>	C09	220 pF 5%	221	Ceramic			Operational Amplifiers
<input type="checkbox"/>	R07	4.99 k 1/4W 1%	y-w-w-br-br 	1/4W	S-N		Operational Amplifiers
<input type="checkbox"/>	R08	4.99 k 1/4W 1%	y-w-w-br-br 	1/4W	E-W		Operational Amplifiers
<input type="checkbox"/>	U4	LT6231	LT6231 	SOIC-8			Operational

► Source: http://wb5rvz.com/sdr/sr_lite_ii/05_bpf.htm

Band Pass Filter Bill of Materials



Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C03	band-specific		misc			Band Pass Filter
<input type="checkbox"/>	C04	band-specific		misc			Band Pass Filter
<input type="checkbox"/>	L1	band-specific		misc			Band Pass Filter
<input type="checkbox"/>	L1-core	band-specific		misc			Band Pass Filter
<input type="checkbox"/>	T1	band-specific		misc			Band Pass Filter
<input type="checkbox"/>	T1-core	band-specific		misc			Band Pass Filter

► Source: http://wb5rvz.com/sdr/sr_lite_ii/06_mix.htm

Mixer Bill of Materials

Detailed Bill of Materials

Check	Designation	Component	Marking	Category	Orientation	Notes	Circuit
<input type="checkbox"/>	C05	0.047 uF 5%	473	Ceramic	vert		Mixer
<input type="checkbox"/>	C06	0.047 uF 5%	473	Ceramic	vert		Mixer
<input type="checkbox"/>	R01	10 ohm 1/4W 1%	br-blk-blk-gld-br 	1/4W	W-E		Mixer
<input type="checkbox"/>	R02	10 ohm 1/4W 1%	br-blk-blk-gld-br 	1/4W	W-E		Mixer